

# Full Function Engineering

1993-1995 Mazda RX-7 (FD3S)

## Hall Trigger Kit Wiring for PNP ECUs

(using factory engine harness)

Please read the entire document before proceeding with install.

*YOUR HARNESS MAY HAVE DIFFERENT COLORS, PLEASE VERIFY ALL WIRES BEFORE PROCEEDING*

The factory harness has 2 pairs of shielded wires for crankshaft position.

- Use the white wire from the white and red pair for power.
  - This requires disconnecting the white wire from the PNP ECU/harness and connecting it to an ignition switched, hot while cranking, 12v source.
- Use the black and green pair for the signal and ground wires.
  - Verify the green wire is properly grounded on the ECU side using the PNP ECU manufacturer schematics/wiring diagrams.
- Connect the Hall sensor wires as shown below
  - Hall sensor red to factory harness white. (+12V)
  - Hall sensor black to factory harness green. (GROUND)
  - Hall sensor white to factory harness black. (SIGNAL)
  - Do not use factory red wire.

